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(54) **Cationic metallocene catalysts based on triphenylcarbenium aluminum.**

(57) **Metallocene catalysts and their preparation and use in the polymerization of olefins. Specifically, the catalysts and processes relate to polymerization of olefins in which an aluminum ionizing agent containing a triphenylcarbenium ion is utilized in preparing the catalyst. The preparation of an olefin polymerization catalyst comprising a metallocene-type catalyst and triphenylcarbenium tetrahedral aluminate is disclosed.**

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EUROPEAN SEARCH REPORT

Application Number
EP 93 87 0096

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.5)
5 X P,X	WO-A-92 01723 (MITSUI TOATSU CHEMICALS INC.) & EP-A-0 500 944 (MITSUI TOATSU CHEMICALS INC.) * example 46 * * page 4, line 1 - line 21 * * page 8, line 35 - line 55 * * claims *	1-12, 15-24 1-12, 15-24	C08F4/602
1 D,X	EP-A-0 423 100 (FINA TECHNOLOGY INC.) * column 5, line 44 - column 6, line 35 * * column 8, line 44 - line 50 * * column 17, line 27 - line 31 *	1-28	
4 A	EP-A-0 426 637 (FINA TECHNOLOGY INC.) * abstract; claims * * page 4, line 28 - line 56 *	1-28	
			TECHNICAL FIELDS SEARCHED (Int. CL.5)
			C08F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 7 June 1994	Examiner Mettler, R-M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document</p>			

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